

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	29	(reflect\$4 same (((data adj line) and (gate adj line)) and (gate adj electrode)and source and drain)and cover\$4).clm.	US-PGPUB	OR	ON	2006/08/21 09:56
L3	3	((low adj reflect\$4) near10 (gate or data or electrode) and (liquid adj crystal) and cover\$4).clm.	US-PGPUB	OR	ON	2006/08/21 09:57
L4	4	(reflect\$4 and (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and (light adj shield\$4)).clm.	US-PGPUB	OR	ON	2006/08/21 09:58

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	29	(reflect\$4 same (((data adj line) and (gate adj line)) and (gate adj electrode)and source and drain)and cover\$4).clm.	US-PGPUB	OR	ON	2006/08/21 09:56
L3	3	((low adj reflect\$4) near10 (gate or data or electrode) and (liquid adj crystal) and cover\$4).clm.	US-PGPUB	OR	ON	2006/08/21 09:57
L4	4	(reflect\$4 and (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and (light adj shield\$4)).clm.	US-PGPUB	OR	ON	2006/08/21 09:58
L5	2044	349/113	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 09:59
L6	1357	349/110	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 09:59
L7	35	(349/113 and 349/110) and 349/44	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 10:00
L8	35	(349/113 and 349/110) and 349/42	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 10:00
L9	113	(low adj reflect\$4) near10 (gate or data or electrode) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/08/21 10:00

## EAST Search History

S1	266	electrode near10 (low adj reflect\$8)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 12:25
S2	31	(electrode near10 (low adj reflect\$8)) and (black adj (matrix mask))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 11:51
S3	46	(electrode near10 (low adj reflect\$8)) and ((black adj (matrix mask))(light adj (shield\$4 shade)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 11:56
S4	8	(electrode near10 (low adj reflect\$8)) and (no adj((black adj (matrix mask))(light adj (shield\$4 shade))))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 11:56
S5	40	electrode near10 (low adj reflect\$8) and "349"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 12:03
S6	91	(electrode near10 (low adj reflect\$8)) and (liquid adj crystal)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 12:40
S7	1	(electrode near10 (low adj reflect\$8)) and (liquid adj crystal) and CrOx	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/09/03 12:40
S8	535	349/113	USPAT	OR	OFF	2006/08/21 09:59
S9	649	349/110	USPAT	OR	OFF	2006/08/21 09:59
S10	1008	349/42	USPAT	OR	OFF	2006/04/18 15:10
S11	221	349/44	USPAT	OR	OFF	2002/07/02 16:26
S12	0	(349/113 and 349/110) and 349/44	JPO	OR	OFF	2006/08/21 10:00
S13	0	(349/113 and 349/110) and 349/42	JPO	OR	OFF	2006/08/21 10:00
S14	0	349/113 and 349/110	JPO	OR	OFF	2002/07/02 16:34
S15	16	reflect\$4 same (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	USPAT	OR	OFF	2006/08/21 09:53

## EAST Search History

S16	1	reflect\$4 same (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	JPO	OR	OFF	2002/07/02 21:25
S17	12	(349/113 and 349/110) and 349/44	USPAT	OR	OFF	2002/07/02 21:25
S18	17	(349/113 and 349/110) and 349/42	USPAT	OR	OFF	2002/07/02 21:36
S19	47	349/113 and 349/110	USPAT	OR	OFF	2002/11/14 14:11
S20	612	reflect\$4 and (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	USPAT; JPO	OR	ON	2002/11/14 11:02
S21	132	reflect\$4 and (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and (light adj shield\$4)	USPAT; JPO	OR	ON	2006/08/21 09:58
S22	61	349/113 and 349/110	USPAT; JPO	OR	ON	2005/05/05 16:07
S23	271	(low adj reflect\$4) near10 (gate or data or electrode)	US-PGPUB; USPAT; JPO	OR	ON	2003/11/17 16:41
S24	28	(low adj reflect\$4) near10 (gate or data or electrode) and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2003/11/17 15:17
S25	54	(low adj reflect\$4) near10 (gate or data or electrode) and (liquid adj crystal)	US-PGPUB; USPAT; JPO	OR	ON	2006/08/21 10:00
S26	5	("5185074"   "5399449"   "5527648"   "6224735"   "6255025").PN.	USPAT	OR	OFF	2003/11/17 16:11
S27	3486	(low adj reflect\$4) and (gate or data or electrode)	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 12:26
S28	252	(low adj reflect\$4) and (gate or data or electrode)and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2003/11/17 16:42
S29	89	(low adj reflect\$4) and ((gate adj electrode) or (source adj electrode))and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2003/11/17 16:44
S30	9	(low adj reflect\$4) same ((gate adj electrode) or (source adj electrode))and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2003/11/17 16:44
S31	9	((low adj reflect\$4) same ((gate adj electrode) or (source adj electrode)))and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 11:37
S32	0	((low adj reflect\$4) near ((gate adj electrode) or (source adj electrode)))and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 11:38

## EAST Search History

S33	3	((low adj reflect\$4) near10 ((gate adj electrode) or (source adj electrode)))and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 11:56
S34	5	("5185074"   "5399449"   "5527648"   "6224735"   "6255025").PN.	USPAT	OR	OFF	2004/04/02 12:04
S35	90	(low adj reflect\$4) and (gate or data or electrode) and ((free or no) near10 (bm or (black adj matrix) or (light adj shield\$4)))	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 13:51
S36	119	(low adj reflect\$4) and (gate or data or electrode) and ((free or no or without) near10 (bm or (black adj matrix) or (light adj shield\$4)))	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 13:57
S37	77	(low adj reflect\$4) and ((free or no or without) near10 (bm or (black adj matrix) or (light adj shield\$4))) and "349"/\$.ccls.	US-PGPUB; USPAT; JPO	OR	ON	2005/09/15 11:52
S38	116	(low adj reflect\$4) and ((free or no or without) near10 (bm or (black adj matrix) or (light adj shield\$4))) and (liquid adj crystal)	US-PGPUB; USPAT; JPO	OR	ON	2004/04/02 14:16
S39	15	("4636038"   "4943838"   "5072262"   "5229644"   "5246782"   "5294820"   "5486493"   "5585951"   "5591676"   "5641974"   "5675187"   "5721596"   "5721601"   "5780121"   "5821621").PN.	USPAT	OR	OFF	2004/09/02 15:47
S40	1	"6195140".pn.	USPAT	OR	OFF	2004/09/03 09:51
S45	85	reflect\$4 and (((data adj line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and (light adj shield\$4)	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/07 14:53
S46	150	reflect\$4 and (((data adj line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and ((light adj shield\$4) or bm or (black adj matrix))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/07 14:56
S47	26	(low near10 reflect\$4) and (((data adj line) and (gate adj line)) and (gate adj electrode)and source and drain) and (Pixel with (passivation or insulat\$4)) and ((light adj shield\$4) or bm or (black adj matrix))	USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/07 14:57

## EAST Search History

S48	89	(low adj reflect\$4) near10 (gate or data or electrode) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/07 15:12
S49	10039	(low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 11:35
S50	211	(low adj reflect\$4) near10 electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 11:36
S51	57	reflectivity near10 (CrOx (chromium adj oxide))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/08 15:16
S52	290	reflect\$4 same (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 15:52
S53	11	S52 and (low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 14:45
S54	4	"5905589".pn. "5062689".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 14:45
S55	2	(low adj reflect\$4) same (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 15:53

## EAST Search History

S56	0	(low adj reflect\$4) near10 (((data adl line) and (gate adj line)) and (gate adj electrode)and source and drain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 15:54
S57	12	(low adj reflect\$4) same((gate adj electrode)and source and drain)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 15:54
S58	79	349/113 and 349/44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 16:08
S59	9	349/113 and 349/44 and (low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 16:09
S60	11	349/113 and 349/110 and (low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 16:16
S61	1699	(liquid adj crystal) and (low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 16:17
S62	882	(liquid adj crystal) and (low adj reflect\$4) and (black shad44 shield44)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/05/05 16:33
S63	82	(liquid adj crystal) and ((low adj reflect\$4) near10 (electrode conduct\$4)) and (black shad44 shield44)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:53

## EAST Search History

S64	1724	349/113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:51
S65	1182	349/110	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:51
S66	1526	349/42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:51
S67	515	349/44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:52
S68	102	(low adj reflect\$4) and ((free or no or without) near10 (bm or (black adj matrix) or (light adj shield\$4))) and "349"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 12:00
S69	87	(liquid adj crystal) and ((low adj reflect\$4) near10 (electrode conduct\$4)) and (black shad44 shield44)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:57
S70	226	(low adj reflect\$4) near10 electrode	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:54
S71	4	(low adj reflect\$4) near10 electrode and 349/42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:57



## EAST Search History

S72	4	(low adj reflect\$4) near10 electrode and 349/44	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:54
S73	8	(low adj reflect\$4) near10 electrode and 349/110	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:55
S74	4	(low adj reflect\$4) near10 electrode and 349/113	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/15 11:55
S75	1636	349/42	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 15:11
S76	32	349/42 and (no adj (black shield\$4))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:12
S77	0	electrode and (no adj (black shield\$4)) and (liquid adj crystal) and (chrominum CrOx) and (low adj reflect\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:14
S78	333	electrode and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:16
S79	0	(electrode near10 (Chromium CrOx)) and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:15

## EAST Search History

S80	0	(electrode with (Chromium CrOx)) and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:15
S81	2	(electrode and (Chromium CrOx)) and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:49
S82	113	electrode and (no adj (black shield\$4)) and (liquid adj crystal) and @ad<"19990415"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 18:11
S83	29	(electrode near10 (low adj reflect\$4)) and (liquid adj crystal) and @ad<"19990415"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:34
S84	0	(electrode with (Chromium CrOx)) and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:50
S85	2	(electrode and (Chromium CrOx)) and (no adj (black shield\$4)) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:51
S86	22	(electrode and (Chromium CrOx)) and (low adj reflect\$4) and (liquid adj crystal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 17:51
S87	40	electrode and (chrominum CrOx) and (liquid adj crystal) and @ad<"19990415"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/18 18:12